

Risk Assessment Experimental Method Form for Undergraduate and Taught PG Projects

All operations/procedures being assessed (give specific details):

1. Server Configuration
2. Audio Client, DAC and Amplifier Circuit Setup and Testing
3. Location Tracking Testing

Risk Category Rating:

1. D
2. C
3. D

Known or expected hazards associated with the activity:

1. Potential “Trip Hazards” due to the cabling required to both power the server, and to connect it to the available access point.
2. Possible “Shock Hazards” in working with mains voltage, or DC voltages from batteries in powering the DAC and amplifier.
3. Possible “Trip Hazards” in testing location tracking due to distraction caused from being mobile while using a smartphone or laptop.

Precautions to be taken to reduce the level of risk:

1. Be aware of surroundings at all times while working around cabling.
Keep cabling as neat as possible to mitigate the amount of clutter which could cause tripping.
2. Use appropriate equipment while making electrical measurements on Amp and DAC circuitry.
Do not raise amplifier output volume past safe listening levels. Exposure to prolonged unsafe listening levels may lead to hearing damage such as tinnitus.
3. Be aware of surroundings at all times.
Mobile devices will cause distractions while testing tracking, testing in uncluttered or open spaces will reduce the possibility of collisions with other people or stationary objects.

Training prerequisite:

1. None
2. Ensure user has training in the applicable electrical measurement equipment.